

Monday, July 09, 2012 7:45:51 AM

Page 1

Accept

Setup Start *NS1*

Stop *NS2*

Stop *NS2*

Cust Item ID:

Customer:

Run Start *NR1*

Date:

Date:

Stop *NR2*

Draw Nbr	Revision Nbr
-----------------	---------------------

100	Pick Kit	0.00
-----	----------	------

Packaging	Memo	0.00						
-----------	------	------	--	--	--	--	--	--

Packaging

110	0.00	
-----	------	--

110

Small Fab	Memo	0.00	12	10
-----------	------	------	----	----

Small Fab ASSEMBLE AS PER DWG

120	QC5- Inspect part completeness to step on W/O	0.00	
-----	---	------	--

120

QC	Memo	0.00	07/10/18	
----	------	------	----------	--

Quality Control

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 86989***86989***

Page 2

Item ID: D412-704-141

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Pedal Assembly

Stop ***NS2***

Start Date: 7/9/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 7/9/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
---------	--------	-----------	------------	------------	---------------	-------------

130

Identify as per dwg & Stock Location: *an p.* 0.00***130***

Packaging

Memo

PPP 83707

0.00

Packaging

*12**SP
12-7-11*

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

ML 12607111

Dart Aerospace Ltd

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Picklist Print

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Page 1

Work Order ID: 86989
Parent Item: D412-704-141
Parent Item Name: Pedal Assembly

Start Date: 7/9/2012

Required Date: 7/9/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 12-03-21 JLM VERIFIED BY:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3204-041 Release Pedal Assembly		Manufactured	No				Each	1.0000		1		7/12/07/10	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				GA		1							
				83936		1							
D3205-1 Pedal Bracket		Manufactured	No				Each	3.0000		1		7/12/07/10	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				GA		3							
				83937		3							
D3205-3 Back Plate		Manufactured	No				Each	5.0000		1		7/12/07/10	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				GA		5							
				83991		5							
D3206-1 Pedal Arm		Manufactured	No				Each	2.0000		1		7/12/07/10	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST		2							
				83938		2							
D3209-041 Bracket Assembly		Manufactured	No				Each	0.0000		1		7/12/07/10	
D4610-5 Shim		Manufactured	No				Each	10.0000		1		7/12/07/10	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST203		10							
				82195		10							

B79805 (12)

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Page 2

Work Order ID: 86989

Parent Item: D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 7/9/2012

Required Date: 7/9/2012

Start Qty: 1.00

Required Qty: 1.00

D4611-1 Manufactured No Each 10.0000
Bushing

Location Loc Qty Loc Code

ST116 10
82197 10

AN3-10A Purchased No Each 99.0000
Bolt

Location Loc Qty Loc Code

ST351 99
117795 2
120873 97

AN315-4R Purchased No Each 18.0000
Nut

Location Loc Qty Loc Code

ST344 18
17566 18

AN4-10A Purchased No Each 64.0000
Bolt

Location Loc Qty Loc Code

ST356 64
117619 14
121666 50

AN4-12A Purchased No Each 489.0000
Bolt

Location Loc Qty Loc Code

ST357 489
120423 464
121524 25

MS20002-4 Purchased No Each 98.0000
WASHER

Location Loc Qty Loc Code

ST314 98
121114 98

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W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Page 3

Work Order ID: 86989

Parent Item: D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 7/9/2012

Required Date: 7/9/2012

Start Qty: 1.00

Required Qty: 1.00

MS20004-24 Purchased No Each 18.0000
BOLT

Location Loc Qty Loc Code

ST305 18
121090 18

MS21042L3 Purchased No Each 3,318.0000
Nut

Location Loc Qty Loc Code

ST300 1318
117885 32
119017 771
119075 138
121444 377
ST317 2000
122141 2000

MS21042L4 Purchased No Each 1,401.0000
Nut

Location Loc Qty Loc Code

ST300 1401
119075 116
121011 193
121444 792
121652 300

MS24694-S104 Purchased No Each 48.0000
SCREW

Location Loc Qty Loc Code

ST290 48
121090 48

1 *EP 12/07/10*

1 *EP 12/07/10*

5 *EP 12/07/10*

1 *EP 12/07/10*

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 86989

Parent Item: D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 7/9/2012

Required Date: 7/9/2012

Start Qty: 1.00

Required Qty: 1.00

MS9519-10 Purchased No Each 22.0000
Bolt

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST296	22	
100290	3	
122141	9	
122151	10	

1 *EF 12/07/10*

NAS1149D0363J Purchased No Each 1.145.0000
Washer

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST298	1145	
116025	1	
117601	61	
118612	3	
119537	33	
120142	13	
120308	17	
121243	326	
121524	691	

5 *EF 12/07/10*

NAS1149D0416J Purchased No Each 121.0000
Washer

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST297	120	
120833	3	
120910	117	
ST298	1	
119124	1	

5 2 *EF 12/07/10*

2

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 86989

Parent Item: D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 7/9/2012

Required Date: 7/9/2012

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0463J

Purchased

No

Each

2,066.0000

Washer

13

Location

Loc Qty

Loc Code

ST298

89

104746

3

116805

0

119097

27

121255

48

121708

11

ST299

1974

121912

1974

ST351

3

107321

3

AN3-6A

Purchased

No

Each

246.0000

Bolt

2

Location

Loc Qty

Loc Code

ST351

246

117441

36

~~120644~~

60

121060

50

121166

100

NAS1149D0332J

Purchased

No

Each

1,517.0000

Washer

4

Location

Loc Qty

Loc Code

ST297

930

121708

930

ST298

587

105793

12

110985

4

117087

89

119042

16

~~119717~~

103

~~120644~~

7

121011

356

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 86989

Parent Item: D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 7/9/2012

Required Date: 7/9/2012

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

Each

3,318.0000

2

Nut

Location

Loc Qty

Loc Code

ST300

1318

117885

32

119017

771

119075

138

121444

377

ST317

2000

122141

2000

2

12-7-11 SP

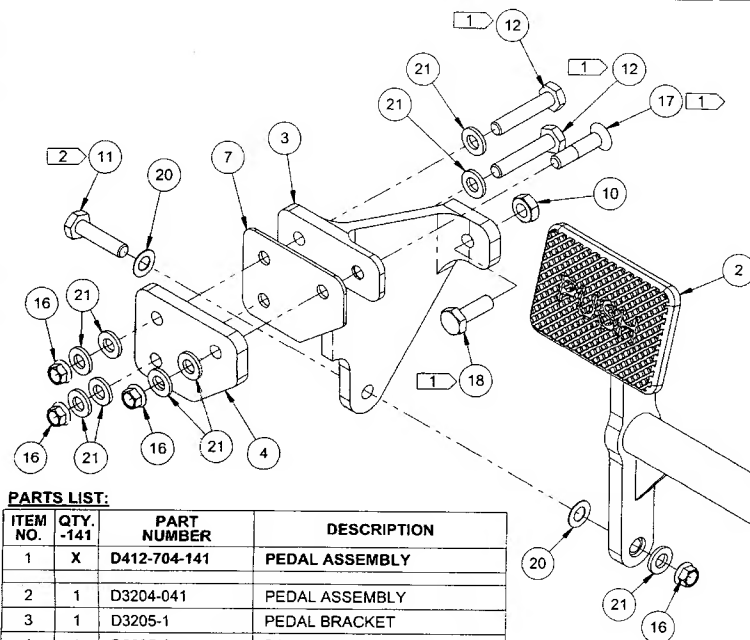
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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PARTS LIST:

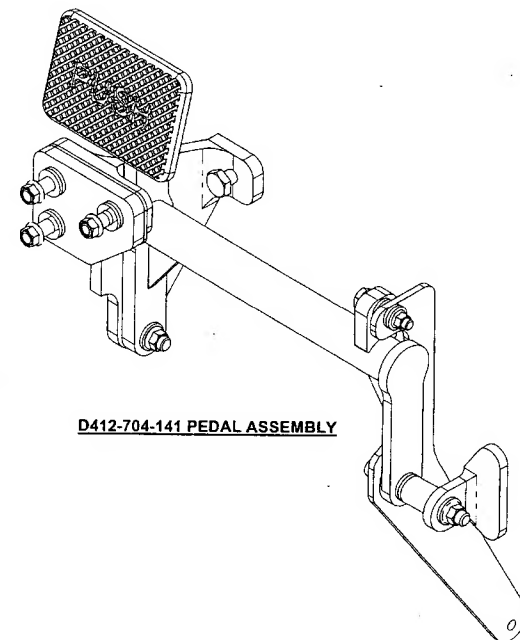
ITEM NO.	QTY. -141	PART NUMBER	DESCRIPTION
1	X	D412-704-141	PEDAL ASSEMBLY
2	1	D3204-041	PEDAL ASSEMBLY
3	1	D3205-1	PEDAL BRACKET
4	1	D3205-3	BACK PLATE
5	1	D3206-1	PEDAL ARM
6	1	D3209-041	BRACKET ASSEMBLY
7	1	D4610-5	SHIM
8	1	D4611-1	BUSHING
9	1	AN3-10A	BOLT
10	1	AN315-4R	NUT
11	1	AN4-10A	BOLT
12	2	AN4-12A	BOLT
13	1	MS20002-4	WASHER
14	1	MS20004-24	BOLT
15	1	MS21042L3	NUT (OR MS21042-3)
16	5	MS21042L4	NUT (OR MS21042-4)
17	1	MS24694-S104	SCREW
18	1	MS9519-10	BOLT
19	5	NAS1149D0363J	WASHER (OR AN960JD10)
20	2	NAS1149D0416J	WASHER (OR AN960JD416L)
21	13	NAS1149D0463J	WASHER (OR AN960JD416)
N/A *	2	AN3-6A	BOLT
N/A *	4	NAS1149D0332J	WASHER (OR AN960JD10L)
N/A *	2	MS21042L3	NUT (OR MS21042-3)

* SHIPPED LOOSE WITH -141 KIT (NOT PRE-ASSEMBLED AT DART)

EXPLODED ASSEMBLY VIEW

NOTES:

- 1) INSTALL IDENTIFIED FASTENERS LOOSE (HAND TIGHTEN ONLY).
- 2) TIGHTEN IDENTIFIED FASTENERS UNTIL SNUG. ENSURE THAT PARTS CAN STILL ROTATE.
- 3) TORQUE IDENTIFIED FASTENERS TO 15-25 in-lbs (1.7-2.8 N-m).



D412-704-141 PEDAL ASSEMBLY

RELEASED
2012-03-21
ECN 12-545

A NEW ISSUE		RF	12.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	ED	DRAWING NO.	REV. A
MFG. APPR.	ED	D412-704-141	SHEET 1 OF 1
APPROVED	ED	TITLE	SCALE
DE APPR.	ED	PEDAL ASSEMBLY	NTS
DATE	12.02.24	<small> COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. </small>	

Dart Aerospace Ltd

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